Amendments to the Specification

Please replace the following paragraphs of the specification in their entirety with the replacement text as marked up.

Page 1, lines 4-8:

The present application is related to the following commonly assigned co-pending application, filed on the same date as the present application, which is herein incorporated by reference: Serial ~~No.~~ No. 10/675,170, to David A. Luick, entitled "Apparatus and Method for Pre-Fetching Page Data Using Segment Table Data" ~~(Assignee's Docket No. ROC920030255US1)~~.

Page 6, line 20 - Page 7, line 2:

In the preferred embodiment, pre-fetching sub-units of a page to cache based on history data in a page table as described herein is used in conjunction with pre-fetching page data to page translation mechanisms based on data associated with individual pages in a segment table. The use of a segment table is the subject of related co-pending application Serial ~~No.~~ No. 10/675,170 to David A. Luick, entitled "Apparatus and Method for Pre-Fetching Page Data Using Segment Table Data" ~~(Assignee's Docket No. ROC920030255US1)~~, filed on the same date as the present application. However, the present invention may be used independently of any such technique for pre-fetching page data based on data in a segment table, and in fact may even be used in a system without segment tables.